

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property  
Organization  
International Bureau



(43) International Publication Date  
8 April 2004 (08.04.2004)

PCT

(10) International Publication Number  
**WO 2004/029199 A2**

- (51) International Patent Classification<sup>7</sup>: C12N Biebertal (DE); SARISKY, Robert, T. [US/US]; 2569 Cold Spring Road, Landsdale, PA 19446 (US).
- (21) International Application Number: PCT/US2003/028654 (74) Agents: FEDON, Jason, C. et al.; SmithKline Beecham Corporation, Corporate Intellectual Property, UW2220, 709 Swedeland Road, P.O. Box 1539, King of Prussia, PA 19406-0939 (US).
- (22) International Filing Date: 12 September 2003 (12.09.2003)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data: 60/410,460 13 September 2002 (13.09.2002) US (84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- (71) Applicant (*for all designated States except US*): SMITHKLINE BEECHAM CORPORATION [US/US]; One Franklin Plaza, Philadelphia, PA 19103 (US).
- (72) Inventors; and
- (75) Inventors/Applicants (*for US only*): BEHRENS, Sven-Erik [DE/US]; 7701 Burholme Avenue, Philadelphia, PA 19111 (US). ISKEN, Olaf [DE/US]; 7701 Burholme Avenue, Philadelphia, PA 19111 (US). GRASSMANN, Claus, W. [DE/DE]; Dessauer Str. 6, D-35444

**Published:**

— without international search report and to be republished upon receipt of that report

*For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.*



WO 2004/029199 A2

(54) Title: A SET OF UBIQUITOUS CELLULAR PROTEINS INVOLVED IN VIRAL LIFE CYCLE

(57) **Abstract:**—A method for modulating viral RNA replication and translation, in a eukaryotic cell, of positive-strand viral RNA, comprising the step of contacting a viral RNA-binding protein (vRbp) with a compound that modulates an activity of said protein.